



SEQUENCE LISTING

<110> Eckstein, Fritz
Pieken, Wolfgang
Benseler, Fritz
Olsen, David B.
Williams, David M.
Heidenreich, Olaf
Sirna Therapeutics, Inc.

<120> Modified Ribozymes

<130> MBHB 00-838-A; 228/213

<140> US 08/936657

<141> 1997-09-24

<150> US 07/965,411

<151> 1993-08-09

<160> 15

<170> PatentIn version 3.1

<210> 1

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Ribozyme

<400> 1

gatatacctga ctccctatag tgagtcgtat ta

32

<210> 2

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Ribozyme

<400> 2

taatacgact cactataggg agtcaggata tctgca

36

<210> 3

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> Ribozyme

<400> 3
ggagtttcgg cctaacggcc tcacagagg accctatagt ggtcgtatt a 51

<210> 4
<211> 55
<212> DNA
<213> Artificial Sequence

<220>
<223> Ribozyme

<400> 4
taatacgact cactataggg tcctctgatg aggcggttag gccgaaactc ctgca 55

<210> 5
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Ribozyme

<400> 5
ggguccucug augaggccgu uaggccgaaa cucc 34

<210> 6
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Ribozyme

<220>
<221> misc feature
<223> All U nucleic acids are 2'-fluoro derivatives.

<400> 6
ggguccucug augaggccgu uaggccgaaa cucc 34

<210> 7
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Ribozyme

<220>
<221> misc feature
<223> All U nucleic acids are 2'-amino derivatives.

<400> 7
ggguccucug augagggcgu uaggccgaaa cucc

34

<210> 8
<211> 12
<212> RNA
<213> Artificial Sequence

<220>
<223> Substrate

<400> 8
gggagucagg au

12

<210> 9
<211> 12
<212> RNA
<213> Artificial Sequence

<220>
<223> Substrate

<220>
<221> misc_feature
<223> All U nucleotides are 2'-fluoro derivatives

<400> 9
gggagucagg au

12

<210> 10
<211> 12
<212> RNA
<213> Artificial Sequence

<220>
<223> Substrate

<220>
<221> misc_feature
<222> (7) .. (7)
<223> 2'-fluoro derivative

<400> 10
gggagucagg au

12

<210> 11
<211> 12
<212> RNA

<213> Artificial Sequence

<220>

<223> Substrate

<220>

<221> misc_feature

<222> (6)..(6)

<223> 2'-amino derivative

<400> 11

gggagucagg au

12

<210> 12

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Substrate

<220>

<221> misc_feature

<222> (13)..(13)

<223> N stands for any one or more A, T, G, C.

<400> 12

gggagucagg aun

13

<210> 13

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Substrate

<220>

<221> misc_feature

<223> All U nucleotides are 2'-fluoro derivatives.

<220>

<221> misc_feature

<222> (13)..(13)

<223> N stands for one or more modified or unmodified nucleotides.

<400> 13

gggagucagg aun

13

<210> 14
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Substrate

<220>
<221> misc_feature
<223> All U nucleotides are 2'-fluoro derivatives.

<400> 14
gggagucagg au

12

<210> 15
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Ribozyme

<400> 15
cacaacacug augagggccgu uaggccgaaa cgggca

36